

PRACTICE MASTER 32**Part 1****Use after Section 8.1, Chapter 8.**

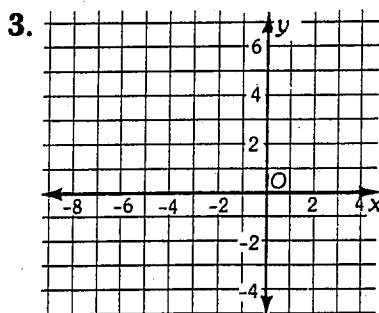
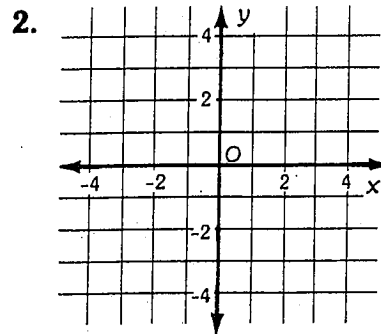
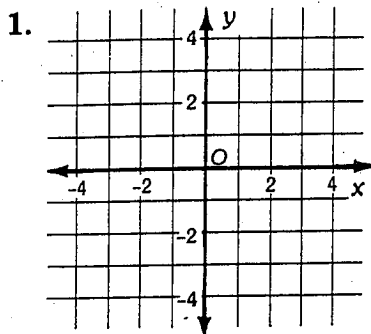
Solve each system by graphing. Check your solutions.

1. $y = x + 1$
 $y = -2x + 4$ _____

2. $3x - 4y = -12$
 $2x + 2y = -1$ _____

3. $x = -5$
 $y = -\frac{1}{2}x + 3$ _____

4. Find the area of the triangle whose vertices are formed by the intersection of the lines graphed in exercise 3 and the x-axis.
- _____

**Part 2****Use after Section 8.2, Chapter 8.**

Tell whether each system has one solution, no solutions, or an infinite number of solutions. If the system has only one solution, solve by graphing.

1. $8x + 2y = -7$
 $x - 4y = -3$ _____

2. $3x - 2y = 12$
 $y = \frac{3}{2}x - 6$ _____

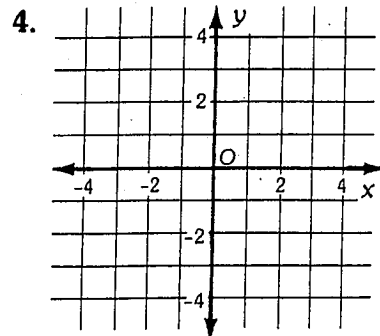
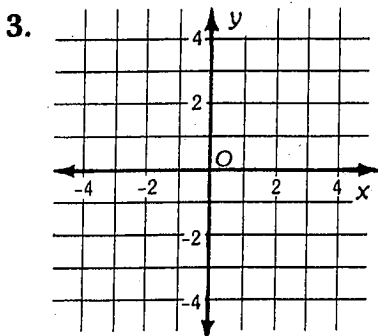
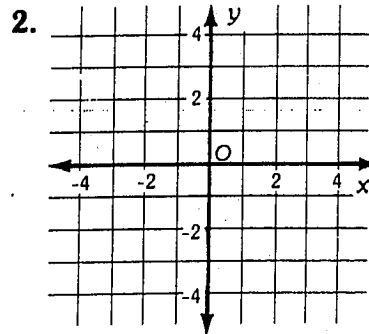
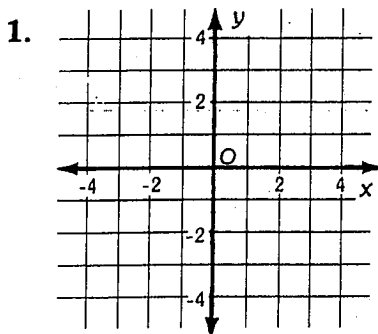
3. $x + 5y = 15$
 $4x - 5y = 10$ _____

4. $x - y = 1$
 $x - 2y = 4$ _____

5. Find the value m that will make this system inconsistent.

$x - y = -3$
 $mx + y = 4$

$m =$ _____



PRACTICE MASTER 33**Part 1****Use after Section 8.3, Chapter 8.**

Determine whether each system has one, none, or an infinite number of solutions. If the system has only one solution, solve by substitution.

1. $x + 4 = -11$
 $2y + x = 1$ _____
2. $4a + b = 40$
 $b - 2a = -14$ _____
3. $m = 8n - 5$
 $6m + 2n = -80$ _____
4. $3m + 2n = 10$
 $4n - m = -1$ _____
5. $a + 4b = -2$
 $2a - 3b = 18$ _____
6. $a + 3b = 25$
 $a - 2y = -10$ _____
7. $y = x + 4$
 $2y = 2x + 8$ _____
8. $3x = y + 4$
 $2y + 5x = 3$ _____
9. $2 + 10a = 2b$
 $b - a = -1$ _____
10. $6a + 2b = -10$
 $2b = -7 - 3a$ _____
11. $x + 2y = 4$
 $2x + 4y = 21$ _____
12. $\frac{1}{2}x - y = 4$
 $3x + 2y = 24$ _____
13. $0.6a + 0.1b = 4$
 $2b - a = 15$ _____
14. $14x + 12y = 4$
 $5x - 2y = -8$ _____
15. $\frac{5}{2}x - y = 9$
 $5x - 2y = 15$ _____
16. $7m - 6n = 18$
 $3n + 9 = \frac{7}{2}m$ _____
17. $r + 3s = 5$
 $6s + 2r = -1$ _____
18. $\frac{1}{3}b + \frac{2}{5}c = 2$
 $b + 2c = 8$ _____

Part 2**Use after Section 8.4, Chapter 8.**

Using the addition or subtraction method, solve each of the following systems of equations:

1. $3a + 4b = 2$
 $4a - 4b = 12$ _____
2. $3a - b = 17$
 $3a + b = 13$ _____
3. $x + 4y = -10$
 $-x - 3y = 9$ _____
4. $x + 2y = 24$
 $4x - 2y = 6$ _____
5. $3x + 4y = 19$
 $3x + 6y = 33$ _____
6. $2x - 3y = 9$
 $-5x - 3y = 30$ _____
7. $3y - x = 2$
 $-2y - x = -18$ _____
8. $4c + 5d = 12$
 $-6c - 5d = -13$ _____
9. $x + 4y = 11$
 $x - 6y = 11$ _____
10. $12x - 2y = 10$
 $-6x + 2y = 14$ _____
11. $7a + 6b = 2$
 $15a - 6b = -24$ _____
12. $6r - 3t = 6$
 $6r + 8t = -16$ _____
13. $\frac{1}{2}x + 2y = 5$
 $\frac{1}{4}x - 2y = 1$ _____
14. $0.2x + 0.4y = 3$
 $0.8x + 0.4y = 6$ _____
15. $2a - 6b = 3$
 $2a - 12b = 5$ _____
16. $5m + 3n = 7$
 $6m - 3n = 4$ _____
17. $3a = 16 - 4b$
 $6a + 4b = -2$ _____
18. $4d - 3e = 12$
 $6e + 4d = -24$ _____